

Claims

1. Disintegrating bullet in the form of a jacketed bullet, the bullet comprising two cores, of which one core consists, in solid form, of a material suitable for bullets, characterised in that the other core (4; 22) is divided into two regions (4a, 4b; 22a, 22b), of which one region (4a; 22a) consists of balls or of granules (5; 23) made from metallic materials and the second region (4b; 22b) consists of a metallic or ceramic powder, and in that the balls or the granules (5; 23) are compressed without cavities.
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2. Disintegrating bullet according to claim 1, characterised in that the solid bullet core (3, 14) forms the tail (12) of the bullet (1).
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3. Disintegrating bullet according to claim 1, characterised in that the solid bullet core (24) is arranged in the nose (25) of the bullet (20) and forms the bullet tip (27).
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4. Disintegrating bullet according to claim 2, characterised in that, in the bullet core (4) divided into two regions (4a, 4b), the region consisting of balls or granules (4a) forms the bullet tip (8) and the second region (4b) consisting of powder, viewed in the direction of flight of the bullet (1), follows this region (4a).
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5. Disintegrating bullet according to claim 2, characterised in that, in the bullet core (4) divided into two regions (4a, 4b), the region (4b) consisting of powder forms the bullet tip (8) and the region consisting of balls or granules (4a), viewed in the direction of flight of the bullet (1), follows this region (4b).
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6. Disintegrating bullet according to claim 3, characterised in that, in the bullet core (4) divided into two regions (4a, 4b), the region consisting of balls or granules (4a) forms the tail (12) and the second region (4b) consisting of powder is arranged, viewed in the direction of flight of the bullet, before this region (4a).
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7. Disintegrating bullet according to claim 3, characterised in that, in the bullet core (4) divided into two regions (4a, 4b), the region (4b) consisting of powder forms the tail (12) and the region consisting of balls or granules (4a) is arranged, viewed in the direction of flight of the bullet, before this region (4b).
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- 15 8. Disintegrating bullet according to any one of claims 1 to 7, characterised in that, depending on the calibre, the size of the balls or the granules (5; 23) is between 1 mm and 12 mm, preferably between 3 mm and 6 mm.
- 20 9. Disintegrating bullet according to any one of claims 1 to 7, characterised in that the particle size of the powder (4b) is between 5 µm and 1 mm.
10. Disintegrating bullet according to any one of claims 1 to 9, characterised in that the powder is a ceramic powder.
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11. Disintegrating bullet according to claim 10, characterised in that the powder is aluminium oxide or zirconium oxide or silicon nitride.
12. Disintegrating bullet according to any one of claims 1 to 11, characterised in that when the powder is compressed, it is mixed with binders or with cavity-filling material.
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13. Disintegrating bullet according to any one of claims 1 to 12, characterised in that, in the core region (4a; 22a) of the bullet core (4; 22), which consists of granules or of balls (5; 23), balls or granule particles of different sizes are compressed together.
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14. Disintegrating bullet according to claim 13, characterised in that the sizes of the balls or granule particles (5; 23) are coordinated in such a way that the small balls or granule particles fill the gaps between the large balls or granule particles.
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15. Disintegrating bullet according to any one of claims 1 to 14, characterised in that the regions (4a; 22a) consisting of granules or of balls (5; 23) are made from materials that are different from the material of the solid core (3, 14; 24).
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16. Disintegrating bullet according to any one of claims 1 to 15, characterised in that the regions (4a, 4b; 22a, 22b) of the second, non-solid core (4; 22) are made from different materials.
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17. Disintegrating bullet according to any one of claims 1 to 16, characterised in that the balls or granule particles (5; 23) are coated with a separating substance.
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18. Disintegrating bullet according to claim 17, characterised in that the separating substance is graphite or polytetrafluoroethylene.
19. Disintegrating bullet according to any one of claims 1 to 18, characterised in that the bullet cores (3, 4; 22, 24) are introduced into the jackets (2; 21) in prefabricated form.
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20. Disintegrating bullet according to any one of claims 1 to 19, characterised in that the bullet jacket (2; 21) has predetermined breaking points (11; 30).
- 5 21. Disintegrating bullet according to claim 20, characterised in that the predetermined breaking points (11; 30) extend in the direction of the bullet axis (10; 29).
- 10 22. Disintegrating bullet according to any one of claims 1 to 21, characterised in that the material of the bullet jacket (2, 15; 21) is copper, alloys thereof, plated steel, soft iron or zinc/tin alloys.
- 15 23. Disintegrating bullet according to any one of claims 1 to 22, characterised in that the bullet (1, 20) has a spherical indentation (13; 32) in the tail region (12; 31).
- 20 24. Disintegrating bullet according to any one of claims 1 to 23, characterised in that the bullet (20) has a sharp edge (33) on its outer perimeter.
25. Disintegrating bullet according to any one of claims 1 to 24, characterised in that the bullet (20) has holding grooves (34) on its outer perimeter.